

Product datasheet for **SC337754**

SCUBE3 (NM_001303136) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCUBE3 (NM_001303136) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCUBE3
Synonyms:	CEGF3; SSFSC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001303136, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTCGGGGCGCGTACCCGGGCTCGCTGCTTGTCTGCTGGTCCACGCCCGCCGCCCCAGTACA
GCAAAGCCGCGCAAGATGTGGATGAGTGTGTGGAGGGGACTGACAACGCCACATCGATGCTATCTGCCA
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CCCCAGAACTACTTCAAGTACACAGAGAAACACAAGGAGATGCTGCCAAAATCCTTCAAGCTGCTC
CGCTCAAAGTTCCAGCTTCTGAGGCCCTACAAATAG
    
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001303136

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001303136.1 , NP_001290065.1
RefSeq Size:	7732 bp
RefSeq ORF:	2979 bp
Locus ID:	222663
UniProt ID:	Q8IX30
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This gene encodes a member of the signal peptide, complement subcomponents C1r/C1s, Uegf, bone morphogenetic protein-1 and epidermal growth factor-like domain containing protein family. Overexpression of this gene in human embryonic kidney cells results in secretion of a glycosylated form of the protein that forms oligomers and tethers to the cell surface. This gene is upregulated in lung cancer tumor tissue compared to healthy tissue and is associated with loss of the epithelial marker E-cadherin and with increased expression of vimentin, a mesenchymal marker. In addition, the protein encoded by this gene is a transforming growth factor beta receptor ligand, and when secreted by cancer cells, it can be cleaved in vitro to release the N-terminal epidermal growth factor-like repeat domain and the C-terminal complement subcomponents C1r/C1s domain. Both the full length protein and C-terminal fragment can bind to the transforming growth factor beta type II receptor to promote the epithelial-mesenchymal transition and tumor angiogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice acceptor compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>